

Generator Installation Checklist
Compliance with NEC 70, NFPA 54, NFPA 58, NFPA 37

Site Location: _____ Permit # _____

Homeowner: _____ Contact # _____

Installer/Electrician _____ Contact# _____

Your Installation Should Be Performed by a Licensed and Knowledgeable Electrician

Is this residential installation to be a Separately Derived System? – ☐ Yes ☐ No
(for separately derived the transfer switch includes disconnecting of the neutral)
If Yes - This Checklist Does Not Apply – only applies if NO is checked

☐ **Generator is “floating Neutral” – required for all non-separately derived systems**

☐ Permanent Generator Installation

☐ Service Rated Disconnect

☐ Non-Permanent Generator Installation

☐ Power Plug/Box Provided External

☐ Power Plug/Box Provided Internal

☐ Feeder Required Breaker/Disconnect

Amperage Rating of Generator _____ KW rating of Generator _____

Amperage Rating of Disconnect Breaker _____ Amperage Rating of Conductors _____

NEC Table 310.16 60⁰ Col.

	Cu	Al
awg/amp	10/30	10/25
(see also NEC 334.80)	8/40	8/30
	6/55	6/40
	4/70	4/55

☐ Full House System w/Automatic Transfer (see NEC 702.5 B-2)

Requires Calculation of Load per Art 220 submitted at time of application

☐ Manual Transfers

☐ Automatic Load management of the connected load (not Full House)

Method of management

☐ Automatic Load Center/Transfer Switch

☐ Subpanel installed

☐ Signage placed at the service-entrance equipment – type and location of on-site optional stand-by system.

☐ Installation must be consistent with the provisions of the manufacturer's installation requirements:

Bonding/Grounding:

- ☐ No grounding electrode at the generator
- ☐ Check Transfer Switch for solid isolated neutral—not switched, not separately derived Automatic Full House Transfer – in –line with service entrance
 - ☐ Service Rated Transfer and/or rated disconnected installed
 - ☐ Four Conductors from Transfer and/or disconnect to main panel
 - ☐ Re-work Main Panel as sub-panel (isolated neutral)
- ☐ Service Rated Disconnect –neutral carried from generator and properly isolated
- ☐ Four conductors from generator to rated disconnect – to transfer switch – to panel
- ☐ Burial Depth of conductors – in non-metallic raceway and not less than 18”
(see table 300.5 for other methods)

Clearance and Location

- ☐ Not less than 5’ from any openings - NFPA 37
- ☐ Not less than 5’ from combustibles – NFPA 37

Source of Fuel

- ☐ Gasoline ☐ Propane

Propane

- ☐ Piping protected
- ☐ Piping underground – plastic piping w/ anodeless risers both ends
 - ☐ risers horizontal portion a minimum 12” below grade
- ☐ Identification Ribbon
- ☐ Propane relief valve = greater than 5 feet from generator
- ☐ Flexible connector at generator
- ☐ Shut-off at generator piping and with sediment trap
- ☐ Minimum depth of piping = 18” - allowed NFPA 58 = 12”
otherwise must be protected

Contact and Other Information: